TST-01-EN TROUBLESHOOTING TABLE

PROBLEM / CONDITIONS	POSSIBLE CAUSE	WHAT TO CHECK	POSSIBLE SOLUTIONS
Vibrator is not working and no audible noises	lack of current from feeding line	check tension among phases in terminal block, protections (switches, fuses), and/or damages to feeding cable	restore or replace protections and/or feeding cable and/or terminals and check wiring in the terminal block
Vibrator is not working but there is an audible buzzing	lack of one phase of the line	check line tension among phases in terminal block and protections (switches, fuses) and/or damages to feeding cable	restore or replace protections and/or feeding cable and/or terminals and check wiring in the terminal block
	lack of one phase of the motor	check resistance of phases in terminal block and possible disconnections of thimbles on terminals	replace motor thimbles and/or check wiring in the terminal block, or re-wind the motor
Vibrator seems to start, but immediately switches off	short circuit between phases	check resistance of phases in terminal block and possible contacts among conductors of feeding cable	eliminate contacts among conductors or re-wind the motor
	overload protection activated	check that rotor shaft rotate free	remove excess grease
	phases to ground	check resistance between phases and ground	re-wind the motor
Vibrator does not reach the nominal speed	wrong electric connection	check that connection is according to diagram indicated on nameplate	proceed to correct connection according to diagram
	tension of line is too low	check tension of line between phases in terminal block	replace feeding cable with a bigger one
	wrong direction of rotation (working in pair)	check the direction of rotation	reverse the direction of rotation
	incorrect isolating system of the equipment	check characteristics of the isolating system and its deflection	replace and/or modify the isolating system
	intensity of vibration too high for the application (silos, hoppers, ecc)	check excentric weights setting	reduce the intensity of vibration adjusting the excentric weights
	excess of grease and/or not suitable grease	remove weights covers and check the situation	remove excess grease and/or substitute with recommended type
	ambient temperature too low	check temperatures	use a suitable model to ambient conditions
Vibrator does not reach the nominal speed and makes a metallic noise	loose fixing bolts	check that fixing bolts are correctly tightened	tighten fixing bolts
	fixing area for vibrator base is not evenly flat	check flatness of the surface for vibrator base fixing	make the surface flat according to manual recommendations
	not even contact between vibrator base and fixing surface	check if any incrostation and/or dirt between vibrator base and surface	remove incrostations and clean the surface
	weights covers are damaged	check that weights can rotate free and that covers are not touching other structures	fit and/or substitute the weights covers and grant a correct distance from other structures
	the equipment touches other structures	check the isolating system and the distance from other structures	substitute and/or modify the isolating system and/or grant a correct distance from other structures
Vibrator makes a metallic noise	protection covers not correctly fixed	protection covers bolts are not correctly tightened	tighten protection covers bolts
	bearing (or both bearings) damaged	check the type of noise by experienced personnel	substitute bearing (or both)
after a working period the protections stop the Vibrator	ambient temperature is too high	check temperature	bring temperature within recommended limits
	bearing is damanged	check the type of noise by experienced personnel	substitute bearing
	wrong direction of rotation (working in pair)	check the direction of rotation	reverse the direction of rotation
	excess of dirt laying on vibrator surface	check the situation	remove the laying dirt

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